

COC # 166

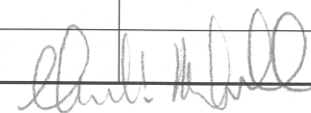
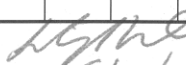
11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
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(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107024

CLIENT: Bristol		INVOICE TO: Bristol										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div>10 7 5 4 3 2 1 <1</div> <div>STD.</div> <div>5 4 3 2 1 <1</div> </div> Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div>STD.</div> <div>OTHER</div> <div>Please Specify</div> </div> *Turnaround Requests less than standard may incur Rush Charges.					
REPORT TO: Anne Krausweller		P.O. NUMBER: 21090															
ADDRESS: Anchitux Island, Ak		REQUESTED ANALYSES															
PHONE: 907 770-0974 FAX: 770-0975																	
PROJECT NAME: Anchitux																	
PROJECT NUMBER: 21090																	
SAMPLED BY: um /ATV																	
CLIENT/SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ORO	BTEX w/ Nap											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
101AMC301SL	7/12/01 1550	X	X											S	2		
201AMC302SL	7/12/01 1555	X	X											S	2		
3.																	
4.																	
5.																	
6.																	
7.																	
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13.																	
14.																	
15.																	

RELINQUISHED BY: 	DATE: 7/12/01	RECEIVED BY: 	DATE: 7/12/01
PRINT NAME: Charlie Marshall	FIRM: Bristol	PRINT NAME: Stephen W. Jr	FIRM: NCA
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
PRINT NAME:	FIRM:	PRINT NAME:	FIRM:

ADDITIONAL REMARKS: C3 AGT Non-Regulated

TEM

PAC

COC REV 3/99



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7 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/12/01 16:35. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M107024



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC301SL	M107024-01	Soil	07/12/01 15:50	07/12/01 16:35
01AMC302SL	M107024-02	Soil	07/12/01 15:55	07/12/01 16:35

COC #166

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC301SL (M107024-01) Soil						Sampled: 07/12/01 Received: 07/12/01			
Diesel Range Organics	372	150	mg/kg dry	1	AK 102	07/12/01	07/13/01	0107051	D-16
<i>Surr: 1-Chlorooctadecane</i>	70.0 %	50-150							
<i>Surr: Triacontane</i>	94.0 %	50-150							
01AMC302SL (M107024-02) Soil						Sampled: 07/12/01 Received: 07/12/01			
Diesel Range Organics	5230	150	mg/kg dry	1	AK 102	07/12/01	07/13/01	0107051	
<i>Surr: 1-Chlorooctadecane</i>	82.3 %	50-150							
<i>Surr: Triacontane</i>	104 %	50-150							

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC301SL (M107024-01) Soil					Sampled: 07/12/01 Received: 07/12/01				
Benzene	ND	0.0496	mg/kg dry	50	1B BTEX/MTI	07/13/01	07/13/01	0107053	
Toluene	ND	0.198	"	"	"	"	"	"	
Ethylbenzene	ND	0.198	"	"	"	"	"	"	
Xylenes (total)	ND	0.397	"	"	"	"	"	"	
Naphthalene	ND	1.98	"	"	"	"	"	"	A-01

Surr: 4-BFB 77.3 % 50-150

01AMC302SL (M107024-02) Soil					Sampled: 07/12/01 Received: 07/12/01				
Benzene	ND	0.0381	mg/kg dry	50	1B BTEX/MTI	07/13/01	07/13/01	0107053	
Toluene	ND	0.152	"	"	"	"	"	"	
Ethylbenzene	ND	0.152	"	"	"	"	"	"	
Xylenes (total)	ND	0.305	"	"	"	"	"	"	
Naphthalene	ND	1.52	"	"	"	"	"	"	A-01

Surr: 4-BFB 80.5 % 50-150

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC301SL (M107024-01) Soil					Sampled: 07/12/01 Received: 07/12/01				
% Solids	85.4	0.0100 % by Weight		1	Gravimetric	07/12/01	07/13/01	0107054	
01AMC302SL (M107024-02) Soil					Sampled: 07/12/01 Received: 07/12/01				
% Solids	87.1	0.0100 % by Weight		1	Gravimetric	07/12/01	07/13/01	0107054	

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2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107051 - 3545 ASE

Blank (0107051-BLK1)

Prepared: 07/12/01 Analyzed: 07/13/01

Diesel Range Organics ND 150 mg/kg wet

Surr: 1-Chlorooctadecane 16.0 " 23.7 67.5 50-150

Surr: Triacotane 22.0 " 23.5 93.6 50-150

LCS (0107051-BS1)

Prepared: 07/12/01 Analyzed: 07/13/01

Diesel Range Organics 1480 150 mg/kg wet 1250 118 75-125

Surr: 1-Chlorooctadecane 19.0 " 23.7 80.2 50-150

Surr: Triacotane 24.7 " 23.5 105 50-150

LCS Dup (0107051-BSD1)

Prepared: 07/12/01 Analyzed: 07/13/01

Diesel Range Organics 1410 150 mg/kg wet 1250 113 75-125 4.84 20

Surr: 1-Chlorooctadecane 19.0 " 23.7 80.2 50-150

Surr: Triacotane 23.0 " 23.5 97.9 50-150

Matrix Spike (0107051-MS1)

Source: M107025-03

Prepared: 07/12/01 Analyzed: 07/13/01

Diesel Range Organics 2280 150 mg/kg dry 1560 523 113 60-140

Surr: 1-Chlorooctadecane 23.0 " 29.5 78.0 50-150

Surr: Triacotane 30.2 " 29.2 103 50-150

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/14/01 11:29

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107053 - MeOH Extraction

Blank (0107053-BLK1)

Prepared & Analyzed: 07/13/01

Benzene	ND	0.0250	mg/kg wet						
Toluene	ND	0.100	"						
Ethylbenzene	ND	0.100	"						
Xylenes (total)	ND	0.200	"						
Naphthalene	ND	1.00	"						A-01
<i>Surr: 4-BFB</i>	<i>2.47</i>		<i>"</i>	<i>2.50</i>		<i>98.8</i>	<i>50-150</i>		

LCS (0107053-BS1)

Prepared & Analyzed: 07/13/01

Benzene	2.25	0.0250	mg/kg wet	2.50		90.0	69-138		
Toluene	2.41	0.100	"	2.50		96.4	53-151		
Ethylbenzene	2.39	0.100	"	2.50		95.6	61-141		
Xylenes (total)	7.33	0.200	"	7.50		97.7	62-141		
Naphthalene	3.16	1.00	"	2.50		126	65-135		A-01
<i>Surr: 4-BFB</i>	<i>2.61</i>		<i>"</i>	<i>2.50</i>		<i>104</i>	<i>50-150</i>		

North Creek Analytical - Mobile Lab

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Reported:
07/14/01 11:29

Notes and Definitions

A-01 Acceptance criteria for CCV are exceeded high. Sample results are non detect and not affected. DoD QSM Draft 5.9.4.2.E.1
D-16 Detected hydrocarbons in the diesel do not have a distinct diesel pattern and may be due to heavily weathered diesel.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

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7 of 7

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M107024 FINAL 07 14 01 1129.mdb Default Report (not modified)
0107053-BLK1	8021B BTEX/MTBE/N	Naphthalene	A-01
0107053-BS1	8021B BTEX/MTBE/N	Naphthalene	A-01
M107024-01	8021B BTEX/MTBE/N	Naphthalene	A-01
M107024-01	AK102 (DRO)	Diesel Range Organics	D-16
M107024-02	8021B BTEX/MTBE/N	Naphthalene	A-01